BRUHAT BANGALORE MAHANAGARA PALIKE
YALAHANKA ZONE

me of work: Estimate for Construction of Kitchen and Toilets to Samudhaya Bhavan in vempunagara in Ward No. 11, (Kuvempunagara) Vidyaranyapura Sub Division.

Estimate Cost Rs. 1000000.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.2: Earth work in surface excavation in **hard soil** for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1, **Page No. 5 / Item No. 2.2 / PWD SR 2015-16**	Cum							
	Centreline		1	29.60	0.75	0.90	19.98		
	Columns		6	1.20	1.20	1.20	10.37		
	For Sump		1	3.00	3.00	3.00	27.00		
							57.35		
	Deduction for Columns		6	1.20	0.75	1.20	-6.48		
							50.87	219.42	**11161.00**
	Basic Rate	207.00							
	Area Weightage @ 6%	12.42							
	Total	**219.42**							
2	KSRB 2.8 : Providing and filling in foundation with granite/trap broken metal 100mm, and down size, with approved sand including had packing, ramming, watering, including cost of all materials and labour with all lead and lift, complete as per specifications. Specification. No. KBS, **Page No. 6 / Item No. 2.15 / PWD SR 2015-16**	Cum							
			1	29.60	0.75	0.20	4.44		
							4.44	2133.78	**9474.00**
	Basic Rate	2013.00							
	Area Weightage @ 6%	120.78							
	Total	**2133.78**							
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2015-16**	Cum							
	Centreline		1	29.60	0.75	0.15	3.33		
	Columns		6	1.20	1.20	0.15	1.30		

	escription of item	Unit	No	L	B	D	Qty	Rate	Amount
	For Sump		1	3.00	3.00	0.15	1.35		
							5.98		
	Deductions for Columns		6	1.20	0.75	0.15	**-0.81**		
							5.17	4976.70	**25710.00**
	Basic Rate	4695.00							
	Area Weightage @ 6%	281.70							
	Total	**4976.70**							
4	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 **Page No. 23 / Item No. 5.6 / PWD SR 2015-16**	Cum							
			1	29.60	0.75	0.60	13.32		
							13.32		
	Deduction for Columns		6	1.20	0.75	0.45	-2.43		
							10.89	4058.74	**44200.00**
	Basic Rate	3829.00							
	Area Weightage @ 6%	229.74							
	Total	**4058.74**							
5	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 23 / Item No. 5.9 / PWD SR 2015-16**	Cum							
			1	29.60	0.45	0.23	3.06		
							3.06		
	Dedution For Columns		6	0.45	0.20	0.23	-0.12		
							2.94	4814.52	**14152.00**
	Basic Rate	4542.00							
	Area Weightage @ 6%	272.52							
	Total	**4814.52**							
6	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KBS 2.9, **Page No. 6 / Item No. 2.10 / PWD SR 2015-16**	Cum							
			Qty Vide Item No. 2				**50.87**	127.20	**6470.00**
	Basic Rate	120.00							
	Area Weightage @ 6%	7.20							
	Total	**127.20**							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	.1.1: Providing flush pointing to *rubble*, course or uncoursed stone *nry* with cement mortar 1:3, 20 mm *p, after* raking joints to depth of 20mm *cely* lining, including cost of materials, *labour*, curing complete as per specifications. ***Page* No. 109 / Item No. 15.1 / PWD SR 2015-16**	Sqm							
			1	29.60		0.23	6.81		
							6.81	97.52	**664.00**
	Basic Rate	92.00							
	Area Weightage @ 6%	5.52							
	Total	**97.52**							
8	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **Page No. 25 / Item No. 5.27 / PWD SR 2015-16**	Sqm							
	Long Wall		2	6.60		3.00	39.60		
	Short Wall		3	5.40		3.00	48.60		
	For Toilet		3	1.50		3.00	13.50		
	Parapet Wall		2	6.60		0.45	5.94		
			2	5.40		0.45	4.86		
							112.50		
	Deduct for Openings Door		1	1.20		2.10	2.52		
	Toilets Doors		4	0.75		2.10	6.30		
	Windows		4	1.50		1.35	8.10		
	Ventilator		4	0.75		0.45	1.35		
	Lintel		1	29.60		0.30	8.88		
	Tiel Beam		1	29.60		0.30	8.88		
							36.03		
							76.47	999.58	**76438.00**
	Basic Rate	943.00							
	Area Weightage @ 6%	56.58							
	Total	**999.58**							
9	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. **Page No. 18 / Item No. 4.48 / PWD SR 2015-16**	Cum							
	Column Footings		6	1.20	1.20	0.45	3.89		
			6	0.60	0.60	0.45	0.97		

	escription of item	Unit	No	L	B	D	Qty	Rate	Amount
	of		6	0.45	0.20	3.50	1.89		
	Plinth		1	29.60	0.20	0.30	1.78		
	Lintel		1	12.20	0.20	0.15	0.37		
	Tie Beam		1	12.20	0.20	0.30	0.73		
	Beam		1	5.80	0.30	0.45	0.78		
	Roof Slab		1	6.60	5.80	0.15	5.74		
	For Sump Bottom		1	3.00	3.00	0.15	1.35		
	Side Walls		2	3.00	0.20	2.70	3.24		
			2	2.60	0.20	2.70	2.81		
	Covering		1	3.00	3.00	0.15	1.35		
							24.90	6214.78	**154729.00**
	Basic Rate	5863.00							
	Area Weightage @ 6%	351.78							
	Total	**6214.78**							
10	KSRB 4.2.10 : Providing and laying in position **reinforced cement concrete of design mix M20** with OPC cement @ 24kgs, with 12 mm and down size graded granite metal coarse aggregates @ 0.5175 cum and fine aggregates @ 0.345 cum with superplastisiser @ 0.225lts,machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor lever, including cost of all materials, labour, HOM of machinery, curing, complete as per specification. Specification NO. KBS 4.1, 4.6 **Page No. 14 / Item No. 4.19 / PWD SR 2015-16**	Sqm							
	W		4	1.50	0.45		2.70		
	V		4	0.80	0.45		1.44		
							4.14	464.28	**1922.00**
	Basic Rate	438.00							
	Area Weightage @ 6%	26.28							
	Total	**464.28**							
11	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **TMT Bars FE 500 Page No. 17 / Item No. 4.46.2 / PWD SR 2015-16**	Tonne							
	For Roof, Columns Beams @ 125 Kg/Cum		0.115	24.90			2.86		
	Chajjas @ 7 Kg/Cum		0.007	4.14			0.03		
							2.89	58229.25	**168407.00**
	Basic Rate	54933.25							
	Area Weightage @ 6%	3296.00							
	Total	**58229.25**							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	10-3: Providing and laying integral *nt* based waterproofing treatment *ding* preparation of surface as required *treatment* of roofs, balconies, terraces *etc,* consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment, (b) laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junction of walls and slabs, (c) after two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement	Sqm							
	Roof Top		1	6.60	5.80		38.28		
							38.28	909.48	**34815.00**
	Basic Rate	858.00							
	Area Weightage @ 6%	51.48							
	Total	**909.48**							
13	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to **ceiling** including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 113 / Item No. 15.21 / PWD SR -2015-16**	Sqm							
	Hall		1	4.50	5.40		24.30		
	Toilet		4	1.50	1.20		7.20		
							31.50	193.98	**6110.00**
	Basic Rate	183.00							
	Area Weightage @ 6%	10.98							
	Total	**193.98**							
14	KSRB 15-3.11 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 113 / Item No. 15.19 / PWD SR 2015-16**	Sqm							
	Inside Wall Hall		2	4.50		3.00	27.00		
			2	5.40		3.00	32.40		
	Toilet		8	1.20		3.00	28.80		
			8	1.50		3.00	36.00		
	Beams		2	5.40		0.45	4.86		

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							129.06		
	Deductions - For door Doors		1x0.5	1.20		2.10	1.26		
			4x0.5	0.75		2.10	3.15		
	Windows		4x0.5	1.50		1.35	4.05		
	Ventialtor		4x0.5	0.75		0.45	0.68		
							9.14		
							119.93	235.32	**28221.00**
	Basic Rate	222.00							
	Area Weightage @ 6%	13.32							
	Total	**235.32**							
15	KSRB 15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. **(P. 114 / l. 15.33 PWD SR - 2015-16**	Sqm							
			Qty Vide Item No. 14+15				**151.43**	25.44	**3852.00**
	Basic Rate	24.00							
	Area Weightage @ 6%	1.44							
	Total	**25.44**							
16	KSRB 15-3.8:- Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 113 / Item No. 15.15 / PWD SR 2015-16**	Sqm							
	Out Side		2	6.60		4.25	56.10		
			2	5.80		4.25	49.30		
							105.40		
	Deductions - For door Doors		1x0.5	1.20		2.10	1.26		
			4x0.5	0.75		2.10	3.15		
	Windows		4x0.5	1.50		1.35	4.05		
	Ventialtor		4x0.5	0.75		0.45	0.68		
							9.14		
							96.27	222.60	**21429.00**
	Basic Rate	210.00							
	Area Weightage @ 6%	12.60							
	Total	**222.60**							
17	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2015-16**	Cum							
	Hall		1	4.50	5.40	0.15	3.65		
	Toilets and Both		2	1.50	1.20	0.15	0.54		

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							4.19	4976.70	**20827.00**
	Basic Rate	4695.00							
	Area Weightage @ 6%	281.70							
	Total	**4976.70**							
	KSRB 14.10.1 : Flooring with 25mm to 40mm thick polished **tandur blue stone slabs** using mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. **Page No. 103 / Item No. 14.15 / PWD SR 2015-16**	Sqm							
	Living Hall		1	4.50	5.40		24.30		
	Skerting		2	4.50	0.10		0.90		
			2	5.40	0.10		1.08		
							26.28	1216.88	**31980.00**
	Basic Rate	1148.00							
	Area Weightage @ 6%	68.88							
	Total	**1216.88**							
19	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and **removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm** including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.18 / PWD SR 2015-16**	Sqm							
	Roof		1	4.50	5.40		24.30		
			4	1.50	1.20		7.20		
							31.50	323.30	**10184.00**
	Basic Rate	305.00							
	Area Weightage @ 6%	18.30							
	Total	**323.30**							
20	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 16 / Item No. 4.37/ PWD SR 2015-16**	Sqm							
	W		4	1.50	0.45		2.70		
	V		4	0.80	0.45		1.44		
							4.14	278.78	**1154.00**
	Basic Rate	263.00							
	Area Weightage @ 6%	15.78							
	Total	**278.78**							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	4-6.1 : Providing and **removing** *...ering,* **shuttering, strutting, propping** *..., and* removal of form work for *...undations,* footings, bases of columns for *...mass* concrete including cost of all materials, *labour* complete as per *specifications.*Specification NO. KBS 4.6.2 **Page No. 15 / Item No. 4.28 / PWD SR 2015-16**	Sqm							
	Column		6	4.80		0.45	12.96		
			6	2.40		0.45	6.48		
			6	1.30		3.50	27.30		
	Plinth		2	29.60		0.30	17.76		
	Lintel		2	29.60		0.15	8.88		
	Tie Beam		2	29.60		0.30	17.76		
	Beams		2	5.40		0.45	4.86		
							96.00	239.56	**22998.00**
	Basic Rate	226.00							
	Area Weightage @ 6%	13.56							
	Total	**239.56**							
22	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface** such as **walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No.17 / Item No. 4.31 PWD SR - 2015-16**	Sqm							
			2	3.00		2.70	16.20		
			2	2.60		2.70	14.04		
			1	2.60	2.60		6.76		
							37.00	310.58	**11491.00**
	Basic Rate	293.00							
	Area Weightage @ 6%	17.58							
	Total	**310.58**							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	...ply and fixing pressed steel door frames ...e 125x65 mm manufacture from 1.25mm ...ick carbon steel or imported steel strips ...ith mitred joints of 900 for door openings and sutters made out of seasoned honne wood, styles of 30mm, thick with lock rail of 160mm, width, top and side rails of 100mm, width width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be not proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years, this shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting wit enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc, complete the hollow portion of the frame to be filled with cement concrete1:2:4. **Page No. 45 / Item No. 7.26 / PWD SR**	Sqm							
			1	1.20		2.10	2.52		
			4	0.75		2.10	6.30		
							8.82	3710.00	**32722.00**
	Basic Rate	3500.00							
	Area Weightage @ 6%	210.00							
	Total	**3710.00**							
24	Supplying and fixing pressed steel window frame of size 100x50mm manufacture from 1.25 mm thick carbon steel or imported steel strips with neat mitred joints at 900degree for window openings and shall be suitable to fix M.S grills as per design and drawings using 12mm dia roads at 100mm centre to centre horizontally and two members of M.S flats of 6mmx40mm size at 150mm apart, welded into a frame of 6mmx40mm size M.S flats with 16mm size lugs, and 8nos, of 100mm size hinger, 4nos of butt stay pins and 4nos, tower bolts and shutters half paneled and half glazed with shutters made out of seasoned honne wood, styles of 30mm thick and 100 mm width and rails of 30mm thick and 100 mm width and using 4mm thick pin headed glass and panel, filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof vermin proof, heat resistant guaranteed against shrinkage, warp age and such other defects for a period of 3 years, this shall be as per approved drawin	Sqm							
	W		4	1.50		1.35	8.10		
	V		4	0.75		0.45	1.35		
							9.45	4028.00	**38065.00**

	ption of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	3800.00							
	Area Weightage @ 6%	228.00							
	Total	**4028.00**							
	-14.1 : Providing and applying two ith oil bound washable distemper of ved brand and shade on wall surface uding priming coat with distemper primer ter thoroughly brooming the surface free from mortar drops and other foregin matter including preparing the surface even and sand paper smooth, cost of materials, labours, complete as per specifications **PWD SR 2015-16 Page No. 115 / Item No. 15.49**	Sqm							
			Qty Vide Item No.15				151.43		
							151.43	69.96	**10594.00**
	Basic Rate	66.00							
	Area Weightage @ 6%	3.96							
	Total	**69.96**							
26	KSRB 15-16.1: providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thourghly brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, complete as per specifications **PWD SR 2015-16 (P.117 / I.15.53.2) with Primer**	Cum							
			Qty Vide Item No.16				96.27		
							96.27	83.74	**8061.00**
	Basic Rate	79.00							
	Area Weightage @ 6%	4.74							
	Total	**83.74**							
27	KSRB 14.14.2: Providing colour glazed tiles of size 10mm thick for flooring, treads of steps and landing, laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing using white cement with matching colour pigment, including cost of materials, labour, complete as per specifications. Specification No. KBS 14.15.2. **Page No. 115 / Item No. 14.33 / PWD SR 2015-16**	Sqm							
	Toilet		4	1.20	1.50		7.20		
							7.20	882.98	**6357.00**
	Basic Rate	833.00							
	Area Weightage @ 6%	49.98							
	Total	**882.98**							

	ption of item	Unit	No	L	B	D	Qty	Rate	Amount
	Providing skirting, dado, ps with Colour glazed tiles mm thick on 10mm thick cement and jointed with white cement ver rough plaster surface (excluding rough plastered surface white should measured and paid separately) using zed tiles of approved make and size of naterials, labour, complete as per specifications. Specification No. KBS 14.17. **Page No. 116 / Item No. 14.41.1 / PWD SR 2015-16**	Sqm							
	Toilet		8	1.20	2.50		24.00		
			8	1.50	2.50		30.00		
	Deduction Doors		4	0.75	2.10		**54.00**		
							-6.30		
							-6.30		
	Basic Rate	874.00					**47.70**	926.44	**44191.00**
	Area Weightage @ 6%	52.44							
	Total	**926.44**							
	SANITARY								
29	KSRB 11.11.1 : Providing and fixing white vitreous china clay, flat back wash basin of size 630x450mm with pair of 15mm C.P brass pillar taps with C.I./M.S. brackets, 32mm C.P. brass waste of standard pattern, painting of fitting and brackets ,cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. **Page No. 82 / Item No. 12.23 PWD SR 2015-16**	Unit							
			4						
	Basic Rate	3560.00					4	3773.60	**15094.00**
	Area Weightage @ 6%	213.60							
	Total	**3773.60**							
30	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal Type) with black solid plastic seat and lid, C. P. brass hinges, rubber buffers. 10 litre low level, P.V.C. flushing cistern (all are approved make) with fittings, C.I. / M.S. brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labours complete as per specifications. KBS 11 Specification No. KBS 11 **Page No. 79 / Item No. 12.5 PWD SR 2015-16**	Each							
			2						
	Basic Rate	4857.00					**2**	5148.42	**10297.00**
	Area Weightage @ 6%	291.42							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**5148.42**							
	KSRB :13-8.3 : Providing and fixing to wall, ceiling and floor, low density poluethylene pipes kgs/sq.cm working pressure **32mm** outside diameter, compression type fittings, wall clips, making good the wall ceiling and floor cost of materials, labour charges HOM of equipments and testing exeluding cost of fittings,complete as per specifications Specification No KBS 13.2.15.1/ 13.9/(**Page No.100 / Item No. 13.68 PWD SR 2015-16**	Rmtr							
			1	30.00			**30.00**	186.56	**5597.00**
	Basic Rate	176.00							
	Area Weightage @ 6%	10.56							
	Total	**186.56**							
32	KSRB 13-1.4 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 32mm dia nominal bore with fittings (medium grade weight 3.23 kg/mtr) **Page No. 94 / Item No. 13.4 / PWD SR 2015-16**	m							
			1	20.00			**20.00**	354.04	**7081.00**
	Basic Rate	334.00							
	Area Weightage @ 6%	20.04							
	Total	**354.04**							
33	KSRB 13-6.3.5: Providing and fixing in position brass gate valve with C.I. wheel of approved quality (screwed end) 32mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6 / 13.3 **Page No. 98 / Item No. 13.35 / PWD SR 2015-16**	Each							
			1	5.00			**5.00**	997.46	**4987.00**
	Basic Rate	941.00							
	Area Weightage @ 6%	56.46							
	Total	**997.46**							
34	KSRB 13-6.6.1: Providing and fixing unplasticised PVC connection pipe with brass union 15mm nominal bore 300 mm length of PVC connection including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. **Page No. 100 / Item No. 13.60 / PWD SR 2015-16**	Set							
			1	5.00			**5.00**	888.28	**4441.00**
	Basic Rate	838.00							
	Area Weightage @ 6%	50.28							
	Total	**888.28**							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	13-6.1.2 : Providing and fixing in ition brass bib cock of approved quality mm nominal bore including cost of all naterials, labour and HOM of equipments with all leads complete as per specifications. Specification NO. KBS 13.2.2 / 13.3, **Page No. 96 / Item No. 13.24 / PWD SR 2015-16**	Each							
			20				**20**	192.44	**3849.00**
	Basic Rate	241.00							
	Area Weightage @ 6%	14.46							
	Total	**255.46**							
36	Supppying water storage tanks made of virgin polymer (LLDPE) with two layers outer black of blue and inner white layer of approved quality and make, conforming to ISI / ISO / SSI specifications, **No. 273 / Item No. 37.58 PWD SR 2015-16**	L							
			1	1000			**1000**	6.36	**6360.00**
	Basic Rate	6.00							
	Area Weightage @ 6%	0.36							
	Total	**6.36**							
	ELECTRICAL AND FITTINGS								
37	**Groove Cutting :** Supplying ... dia 2mm/2.5mm thick heavy gauage PVC Conduit Pipe with bends metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary **KPWD SR 2010-11 (P-2,I-3) 19/20 mm dia 2mm thick**	Mtrs							
			1	10.00			**10.00**	43.00	**430.00**
	25 mm dia 2mm thick		1	15.00			**15.00**	53.00	**795.00**
38	Supplying and flush mounting teak wooden box with out front plank made of not less than 12mm thick wood after due groove cutting necessary masonry patch work complete. **KPWD SR 2010-11 (P-3, I-6) 10"X7"X3" (300X228X76mm)**	Each							
			2				**2**	68.00	**136.00**
	8"X6"X3" (300X228X76mm)		2				**2**	52.00	**104.00**
39	Supplying and fixing PVC/metal conduit accessories special type Junction Box **(I. 5/P. 3) KPWD SR 2010-11 32 mm Junction Box**	Each							
			5				**5**	29.00	**145.00**
	Deep 32 mm Junction Box		3				**3**	33.00	**99.00**

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Point Wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using Copper PVC insulated multi strand 2x1.5 Sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet gang box the other end of the wires shall be terminated with sufficient loose length in a wood PVC round block complete for each outlet **KPWD SR 2010-11 (P.3/I.8) Point Wiring using Class A Materials a) Short point upto 3Mtr from tapping point to out let via switch**	Each							
			5				**5.00**	175.00	**875.00**
	b) Medium point above 3mtr upto 6mtr from tapping point to out let via switch		2				**2.00**	260.00	**520.00**
41	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate 1-3 Way **KPWD SR 2010-11 (P.8/I.18)**	Each							
			2				**2**	90.00	**180.00**
	4-5Way		3				**3**	100.00	**300.00**
42	Supplying and fixing superior quality modula switch mounting polyorbonate plate with cecessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal/PVC box **KPWD (P-7, I-17) 2010-11 1 to 3 Modular**	Each							
			12				**12**	82.00	**984.00**
	4 Modular		2				**2**	100.00	**200.00**
43	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate **KPWD SR 2010-11 (P.8/I.18) 6Amps one way.**	Each							
			2				**2**	96.00	**192.00**
	6Amps 3way Socket.		12				**12**	165.00	**1980.00**
	Stepped Fan Regulator		3				**3**	530.00	**1590.00**
44	Wiring for lighting power curcuit using one of PVC insluated 1100v grade multistrand copper conductor single core cable in open or concealed system of wiring **P-9, i-20 KPWD SR 2010-11 1.5 Sqmm**	Mtrs							
			10				**10**	150.00	**1500.00**
	2.5 Sqmm		15				**15**	25.00	**375.00**
45	Supply patty type fluorescent tube light fitting of 4' - 36/40 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking, locking type brass contact holder mounted on double fold type sheet base fully wired for used on 230 Volts A C Supply including fluouresecent tube **KPWD SR 2010-11 (P.16/I.2) Group 'A'**	Each							
			1				**1**	675.00	**675.00**

	Description of item	Unit	No	L	B	D			Amount
	plying capacitor type ceiling fan complete h down rod blades, shackle, canopies etc., or operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system KPWD SR 2007-08 (P-23, I-23) Regulator Model (Khaitan, Crompton Geaves, Orient, Polar, Bajaj, Usha, Havells, Almonard **(p.23 / I.23 .II) KPWD SR 2010-11 Regular Model**	Each							
			1				1	1800.00	1800.00
47	Supplying and fixing superior quality modula switch mounting polyorbonate plate with ncecessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal/PVC box **KPWD SR 2010-11 (P-7, I-17) 1 to 3 Modular**	Each							
			1				1	82.00	82.00
	8 Modular		1				1	175.00	175.00
	Sub Total								917221.00
	KRIDL Charges @ 8%								73378.00
	Thirty Party Inspection Charges @ 1%								9172.00
	Miscesalaneous Charges								229.00
								Total	1000000.00

(Rupees Ten Lakhs Only)

ADMINISTRATIVE APPROVAL
Accorded For Rs. 10.00L
Head of A/c. P-2415
Div. Ref. No. AS/47/16-17 Date 03/09/16
AE 03/09
EE(BTP) 3/9

(6)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2015-16 & KPWD 2010-11.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

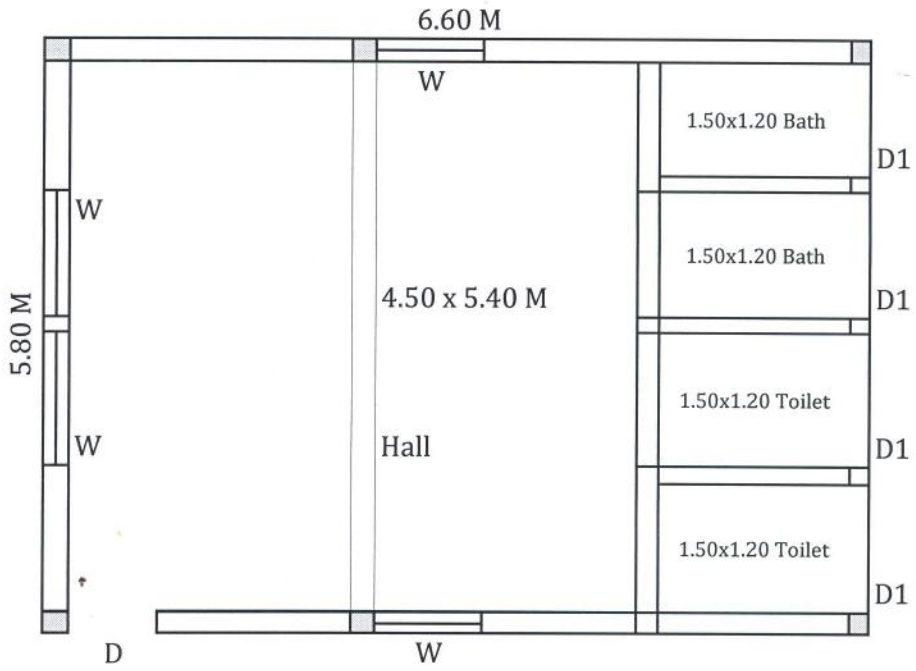
Assistant Engineer
Ward No. 11

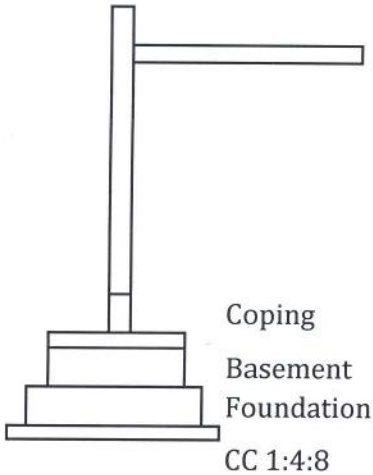
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer 3/9/16.
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

TECHNICAL SANCTION
Accorded For Rs. 10.00L
Head of A/c. P-2415
Div. Ref. No. TS/57/16-17 Date 03/09/16
AE 03/09
EE(BTP) 3/9

ork: Construction of Kitchen and Toilets to Samudhaya Bhavan in Kuvempunagara in Ward No. 11, (Kuvempunagara) Vidyaranyapura Sub Division.





Assistant Engineer
Waard No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division